

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 45 (YORK ROAD) AND HEREFORD HIGH SCHOOL EXIT IN BALTIMORE COUNTY, MARYLAND. MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED CABINET AND CONTROLLER WILL BE USED. INSTALL ONE (1) TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER IN CABINET.

MAINTENANCE OF TRAFFIC

THE FOLLOWING MINIMUM TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.02-01 (SHOULDER WORK)
STANDARD NO. MD-104.02-03 (LANE SHIFT)
STANDARD NO. MD-104.02-09 (FLAGGING OPERATION)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781/2785

MR. MIKE PASQUARIELLO
ASST. DISTRICT UTILITY ENGINEER
PHONE: (410) 321-2841

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9000	3 EACH	QUICK CONNECT BLOCK AND HARNESS FOR TELEMETRY INTERFACE PANEL
9016	1 EACH	FOUR-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER

EQUIPMENT LIST "C"

NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

EQUIPMENT LIST "B"

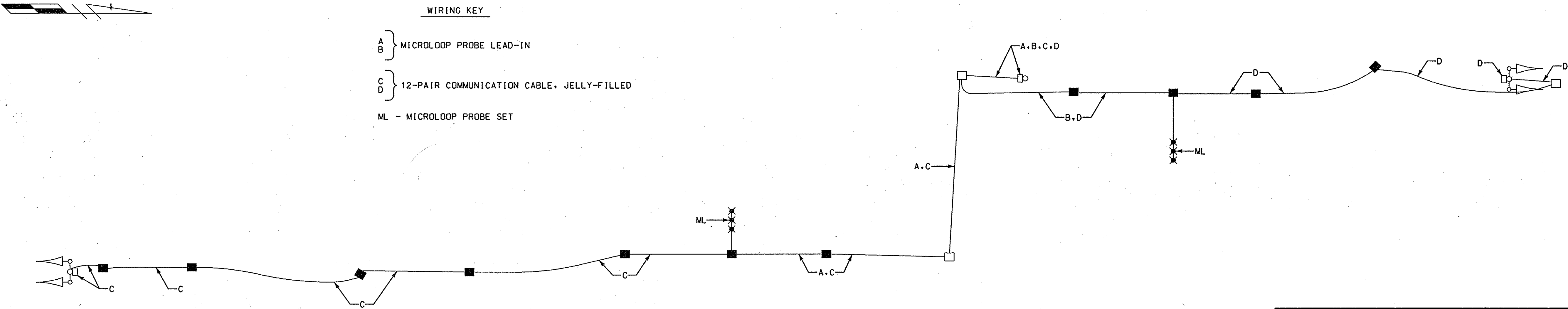
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8047	195 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
8049	1900 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8054	15 L.F.	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE
8058	2 EACH	MICROLOOP PROBE SET WITH 500 FOOT LEAD-IN CABLE
8062	11 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8068	2440 L.F.	12-PAIR COMMUNICATION CABLE, JELLY-FILLED
8081	15 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)

PHASE CHART

	1	2	3	4	5	6	
	(R)	(R)	(R)	(R)	(R)	(R)	
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	
	(G)	(G)	(G)	(G)	(G)	(G)	
NORMAL OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	↑
PHASE 2 + 6	G	G	G	G	R	R	↓
2 + 6 CHANGE	Y	Y	Y	Y	R	R	→
PHASE 4	R	R	R	R	G	G	↑
4 CHANGE	R	R	R	R	Y	Y	↓

WIRING DIAGRAM



WR&A
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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 45 @ HEREFORD HIGH SCHOOL EXIT

DRAWN BY: S.BLOSS	F.A.P. NO.	TS NO.	SHEET NO. 3 OF 3
CHECKED BY: N.LEARY	S.H.A. NO.	TS-4119	
SCALE: NONE	COUNTY: BALTIMORE	T.I.M.S. NO.	
DATE: 11/12/99	LOG MILE:	H306	